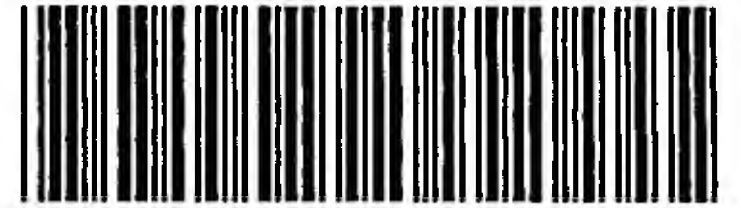


Robinson



RAW SEQUENCE LISTING

DATE: 01/31/2002

PATENT APPLICATION: US/09/483,831B

TIME: 15:13:53

Input Set : A:\US09483831B.raw

Output Set: N:\CRF3\01312002\I483831B.raw

P.S

ENTERED

1 <110> APPLICANT: STRACKE, MARY
 2 LIOTTA, LANCE
 3 SCHIFFMANN, ELLIOTT
 4 KRUTZCH, HENRY
 5 MURATA, JUN
 6 <120> TITLE OF INVENTION: AUTOTAXIN: MOTILITY STIMULATING PROTEIN USEFUL IN
 7 CANCER DIAGNOSIS AND THERAPY
 8 <130> FILE REFERENCE: 2026-4149US4
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/483,831B
 10 <141> CURRENT FILING DATE: 2000-01-17
 11 <150> PRIOR APPLICATION NUMBER: 07/822,043
 12 <151> PRIOR FILING DATE: 1992-01-17
 13 <150> PRIOR APPLICATION NUMBER: 08/249,182
 14 <151> PRIOR FILING DATE: 1994-05-25
 15 <150> PRIOR APPLICATION NUMBER: 08/346,455
 16 <151> PRIOR FILING DATE: 1994-11-28
 17 <150> PRIOR APPLICATION NUMBER: 08/977,221
 18 <151> PRIOR FILING DATE: 1997-11-24
 19 <160> NUMBER OF SEQ ID NOS: 70
 20 <170> SOFTWARE: PatentIn Ver. 2.1
 22 <210> SEQ ID NO: 1
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 24 <212> TYPE: PRT
 25 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 28 Peptide
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 30 Trp His Val Ala Arg
 31 1 5
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 6
 35 <212> TYPE: PRT
 36 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 39 Peptide
 40 <400> SEQUENCE: 2
 41 Pro Leu Asp Val Tyr Lys
 42 1 5
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 5
 46 <212> TYPE: PRT

RAW SEQUENCE LISTING

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47 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
50 Peptide
51 <400> SEQUENCE: 3
52 Tyr Pro Ala Phe Lys
53 1 5
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 5
57 <212> TYPE: PRT
58 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
61 Peptide
62 <400> SEQUENCE: 4
63 Gln Ala Glu Val Ser
64 1 5
66 <210> SEQ ID NO: 5
67 <211> LENGTH: 10
68 <212> TYPE: PRT
69 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
72 Peptide
73 <400> SEQUENCE: 5
74 Pro Glu Glu Val Thr Arg Pro Asn Tyr Leu
75 1 5 10
77 <210> SEQ ID NO: 6
78 <211> LENGTH: 9
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
83 Peptide
84 <400> SEQUENCE: 6
85 Tyr Asp Val Pro Trp Asn Glu Thr Ile
86 1 5
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 10
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
94 Peptide
95 <400> SEQUENCE: 7
96 Val Pro Pro Phe Glu Asn Ile Glu Leu Tyr
97 1 5 10
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 11

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RAW SEQUENCE LISTING

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Input Set : A:\US09483831B.raw

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101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
105     Peptide
106 <400> SEQUENCE: 8
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108         1             5             10
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113 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
116     Peptide
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118     Val Asn Ser Met Gln Thr Val Phe Val Gly Tyr Gly Pro Thr Phe Lys
119         1             5             10             15
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122 <211> LENGTH: 12
123 <212> TYPE: PRT
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125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
127     Peptide
128 <400> SEQUENCE: 10
129     Asp Ile Glu His Leu Thr Ser Leu Asp Phe Phe Arg
130         1             5             10
132 <210> SEQ ID NO: 11
133 <211> LENGTH: 23
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
138     Peptide
139 <400> SEQUENCE: 11
140     Thr Glu Phe Leu Ser Asn Tyr Leu Thr Asn Val Asp Asp Ile Thr Leu
141         1             5             10             15
142     Val Pro Glu Thr Leu Gly Arg
143         20
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 18
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
151     Primers
152 <221> NAME/KEY: variation
153 <222> LOCATION: (10)

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RAW SEQUENCE LISTING

DATE: 01/31/2002

PATENT APPLICATION: US/09/483,831B

TIME: 15:13:53

Input Set : A:\US09483831B.raw

Output Set: N:\CRF3\01312002\I483831B.raw

```

154 <223> OTHER INFORMATION: Base n represents a or g or c or t/u, unknown, or
155     other.
156 <221> NAME/KEY: variation
157 <222> LOCATION: (13)
158 <223> OTHER INFORMATION: Base r represents g or a.
159 <400> SEQUENCE: 12
W--> 160     gttggcagcn acrtgccca                                     18
162 <210> SEQ ID NO: 13
163 <211> LENGTH: 18
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
168     Primers
169 <221> NAME/KEY: variation
170 <222> LOCATION: (6)
171 <223> OTHER INFORMATION: Base Y represents t/u or c.
172 <221> NAME/KEY: variation
173 <222> LOCATION: (9)
174 <223> OTHER INFORMATION: Base n represents a or g or c or t/u, unknown, or
175     other.
176 <400> SEQUENCE: 13
W--> 177     tggcaygtng ctgccaac                                     18
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 15
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
185     Primers
186 <400> SEQUENCE: 14
187     cttgaaggca gggta                                           15
189 <210> SEQ ID NO: 15
190 <211> LENGTH: 15
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
195     Primers
196 <221> NAME/KEY: variation
197 <222> LOCATION: (3)
198 <223> OTHER INFORMATION: Base y represents t/u or c.
199 <221> NAME/KEY: variation
200 <222> LOCATION: (9)
201 <223> OTHER INFORMATION: Base n represents a or g or c or t/u, unknown, or
202     other.
203 <221> NAME/KEY: variation
204 <222> LOCATION: (12)
205 <223> OTHER INFORMATION: Base y represents t/u or c.

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RAW SEQUENCE LISTING

DATE: 01/31/2002

PATENT APPLICATION: US/09/483,831B

TIME: 15:13:53

Input Set : A:\US09483831B.raw

Output Set: N:\CRF3\01312002\I483831B.raw

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206 <400> SEQUENCE: 15
W--> 207      taycctgcnt tyaag                      15
209 <210> SEQ ID NO: 16
210 <211> LENGTH: 15
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
215      Primers
216 <221> NAME/KEY: variation
217 <222> LOCATION: (4)
218 <223> OTHER INFORMATION: Base n represents a or g or c or t/u, unknown, or
219      other.
220 <221> NAME/KEY: variation
221 <222> LOCATION: (7)
222 <223> OTHER INFORMATION: Base y represents t/u or c.
223 <221> NAME/KEY: variation
224 <222> LOCATION: (10)
225 <223> OTHER INFORMATION: Base y represents t/u or c.
226 <400> SEQUENCE: 16
W--> 227      ggtnacytcy tcagg                      15
229 <210> SEQ ID NO: 17
230 <211> LENGTH: 15
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
235      Primers
236 <221> NAME/KEY: variation
237 <222> LOCATION: (12)
238 <223> OTHER INFORMATION: Base n represents a or g or c or t/u, unknown, or
239      other.
240 <221> NAME/KEY: variation
241 <222> LOCATION: (6)
242 <223> OTHER INFORMATION: Base r represents a or g.
243 <221> NAME/KEY: variation
244 <222> LOCATION: (9)
245 <223> OTHER INFORMATION: Base r represents a or g.
246 <400> SEQUENCE: 17
W--> 247      cctgargarg tnacc                      15
249 <210> SEQ ID NO: 18
250 <211> LENGTH: 21
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
255      Primers
256 <221> NAME/KEY: variation
257 <222> LOCATION: (1)

```

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

FWI

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/483,831B

DATE: 01/31/2002

TIME: 15:13:54

Input Set : A:\US09483831B.raw

Output Set: N:\CRF3\01312002\I483831B.raw

L:9 M:270 C: Current Application Number differs, Wrong Format

L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:1270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70